## **IN THE CLAIMS**:

1.

unit and a non-transitory computer-readable medium;

depend on their respective tasks; and

Please amend Claims 1, 6, and 12-17 as indicated below. The following is a complete listing of claims and replaces all prior versions and listings of claims in the present application:

a plurality of code converting units <u>configured to execute</u> for executing coding and decoding of image data <u>comprising at least one of a hardware-implemented code converting</u>

(Currently Amended) An image processing apparatus comprising:

a plurality of request-source task units <u>configured to request</u> for requesting any of said plurality of code converting units to perform a code conversion of image data, the number of task units being greater than the number of code converting units and having priorities that

an assigning unit <u>configured to assign</u> for assigning one of said plurality of code converting units to a processing request from one of said plurality of request-source task units having a high priority and, if there is an idle code converting unit among the plurality of code converting units, assigning the idle code converting unit to a processing request from one of said plurality of request-source task units having a low priority.

2. (Original) The apparatus according to claim 1, wherein said code converting units have one-to-one correspondence to the request-source task units having the high priority; and said assigning unit assigns the corresponding code processing units in accordance with the processing requests from the request-source task units having the high priority.

- 3. (Previously Presented) The apparatus according to claim 1, wherein code converting units, the number of which is smaller than the number of the request-source task units having the low priority, correspond to these request-source task units having the low priority; and said assigning unit assigns said code converting units in a prescribed order to the processing requests from the request-source task units having the low priority.
- 4. (Original) The apparatus according to claim 3, wherein said code converting units are constituted by software-implemented code converting units for executing code conversion by software and hardware-implemented code converting units for executing code conversion by hardware; and

said assigning unit assigns said software-implemented code converting units to the processing requests of the request-source task units.

- 5. (Original) The apparatus according to claim 4, wherein said request-source task units having the high priority are classified into a first unit group processed by said software-implemented code converting units and a second unit group processed by said hardware-implemented code converting units via said software-implemented code converting units.
- 6. (Currently Amended) The apparatus according to claim 5, wherein said hardware-implemented code converting units are adapted so as to be used jointly by the request-source task units of said second unit group.

7. (Original) An image processing method comprising:

a processing-request issuing step of issuing a processing request to a code converting unit by any request-source task unit of a plurality of request-source task units the number of which is greater than the number of a plurality of code converting units and having priorities that depend on their respective tasks, said code converting units executing coding and decoding of image data;

a priority processing determination step of receiving the processing request and determining whether the processing request issued by the request-source task unit should be processed with priority; and

an assigning step of assigning one of said plurality of code converting units to a processing request from one of said plurality of request-source task units determined to have a high priority and, if there is an idle node processing unit among the code converting units, assigning the idle code processing unit to a processing request from one of said plurality of request-source task units determined to have a low priority.

8. (Original) The method according to claim 7, wherein said code converting units have one-to-one correspondence to the request-source task units having the high priority; and said assigning step assigns the corresponding code processing units in accordance with the processing requests from the request-source task units having the high priority.

- 9. (Previously Presented) The method according to claim 7, wherein code converting units, the number of which is smaller than the number of the request-source task units having the low priority, correspond to these request-source task units having the low priority; and said assigning step assigns said code converting units in a prescribed order to the processing requests from the request-source task units having the low priority.
- 10. (Original) The method according to claim 9, wherein said code converting units are constituted by software-implemented code converting units for executing code conversion by software and hardware-implemented code converting units for executing code conversion by hardware; and

said assigning step assigns said software-implemented code converting units to the processing requests of the request-source task units.

- 11. (Original) The method according to claim 10, wherein said request-source task units having the high priority are classified into a first unit group processed by said software-implemented code converting units and a second unit group processed by said hardware-implemented code converting units via said software-implemented code converting units.
- 12. (Currently Amended) The method according to claim 11, wherein said hardware-implemented code converting units are adapted so as to be used jointly by the request-source task units of said second unit group.

13. (Currently Amended) A non-transitory computer-readable medium having an An image processing program encoded thereon, the image processing program comprising:

program code for executing a processing-request issuing step of issuing a processing request to a code converting unit by any request-source task unit of a plurality of request-source task units the number of which is greater than the number of a plurality of code converting units and having priorities that depend on their respective tasks, said code converting units executing coding and decoding of image data;

program code for executing a priority processing determination step of receiving the processing request and determining whether the processing request issued by the request-source task unit should be processed with priority; and

program code for executing an assigning step of assigning one of said code converting units to a processing request from one of said plurality of request-source task units determined to have a high priority and, if there is an idle code processing unit among the code converting units, assigning the idle code processing unit to a processing request from one of said plurality of request-source task units determined to have a low priority.

14. (Currently Amended) The <u>non-transitory computer-readable medium program</u> according to claim 13, wherein said code converting units have one-to-one correspondence to the request-source task units having the high priority; and

the program code for executing said assigning step includes code for assigning the corresponding code processing units in accordance with the processing requests from the request-source task units having the high priority.

15. (Currently Amended) The <u>non-transitory computer-readable medium program</u> according to claim 7 <u>13</u> wherein code converting units, the number of which is smaller than the number of the request-source task units having the low priority, correspond to these request-source task units having the low priority; and

the program code for executing said assigning step includes code for assigning said code converting units in a prescribed order to the processing requests from the request-source task units having the low priority.

- 16. (Currently Amended) The non-transitory computer-readable medium program according to claim 15, wherein said code converting units are constituted by software-implemented code converting units for executing code conversion by software and hardware-implemented code converting units for executing code conversion by hardware; and the program code for executing said assigning step includes code for assigning said software-implemented code converting units to the processing requests of the request-source task units.
- 17. (Currently Amended) The <u>non-transitory computer-readable medium program</u> according to claim 16, wherein said request-source task units having the high priority are classified into a first unit group processed by said software-implemented code converting units and a second unit group processed by said hardware-implemented code converting units via said software-implemented code converting units.